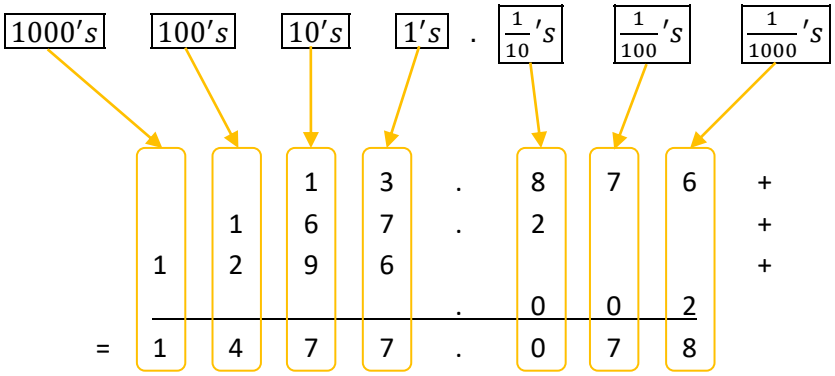
Decimal Addition

The normal rules for the "+" operator apply. The main thing to remember is to add like to like; i.e., add hundreds to hundreds. The easiest way to do this is to align each term of the calculation using the decimal point.

Example 1 - Addition

What is the sum of 13.876, 167.2, 1296 and 0.002?



Answer:

			1	3	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=	1	4	7	7	.	0	7	8	

Note: the number "1296" is aligned as if it had a decimal point; i.e., "1296.0"

And here's how it's done. Always start from the right:

Step 1: **6 + 2 = 8**

Answer:

			1	3	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=					.			8	

Step 2: **7 + 0 = 7**

Answer:

			1	3	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=					.		7	8	

Step 3: **8 + 2 = 10** write down the "0" and carry the "1"

Answer:

			1	$^{1}3$	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=					.	0	7	8	

Step 4: **1 + 3 + 7 + 6 = 17** write down the "7" and carry the "1"

Answer:

			$^{1}1$	$^{1}3$	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=				7	.	0	7	8	

Step 5: **1 + 1 + 6 + 9 = 17** write down the "7" and carry the "1"

Answer:

		^{1}	$^{1}1$	$^{1}3$	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=			7	7	.	0	7	8	

Step 6: **1 + 1 + 2 = 4** write down the "4"

Answer:

		^{1}	$^{1}1$	$^{1}3$	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=		4	7	7	.	0	7	8	

Step 7: **1 + 0 = 1** write down the "1"

Answer:

		^{1}	$^{1}1$	$^{1}3$	.	8	7	6	+
		1	6	7	.	2			+
	1	2	9	6					+
					.	0	0	2	
=	1	4	7	7	.	0	7	8	